

## EAST Search History

| Ref # | Hits | Search Query                             | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| S1    | 756  | 700/17.ccls.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/10/17 18:36 |
| S16   | 1    | "20020120921".pn.                        | US-PGPUB   | AND              | ON      | 2006/10/19 16:24 |
| S18   | 1490 | 700/83.ccls.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/10/18 11:01 |
| S19   | 47   | 700/83.ccls. collision                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/10/18 11:02 |
| S20   | 17   | 700/83.ccls. collision nodes             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/10/18 11:02 |
| S21   | 0    | 700/83.ccls. collision nodes "715.clas"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/10/18 11:02 |
| S22   | 3    | 700/83.ccls. collision nodes "715".clas. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/10/18 11:04 |

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| S23 | 13 | 700/83.ccls. nodes "715".clas. (((placed or drop\$3) near3 ("over" OR "on" OR "top")) OR (overlap or intersect))                   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/18 11:07 |
| S24 | 4  | 700/83.ccls. "715".clas. (((placed or drop\$3) near3 ("over" OR "on" OR "top")) OR (overlap or intersect)) same nodes              | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/18 11:09 |
| S25 | 0  | 700/83.ccls. "715".clas. (((placed or drop\$3) near3 ("over" OR "on" OR "top")) OR (overlap or intersect)) (updat\$3 near3 parent) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/18 11:10 |
| S26 | 0  | 700/83.ccls. "715".clas. ("over" OR "on" OR "top" OR (overlap or intersect)) (updat\$3 near3 parent)                               | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/18 11:10 |
| S27 | 1  | "700".clas. "715".clas. ("over" OR "on" OR "top" OR (overlap or intersect)) (updat\$3 near3 parent)                                | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/18 11:11 |
| S28 | 1  | "700".clas. "715".clas. (updat\$3 near3 parent)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/18 11:12 |
| S29 | 6  | "700".clas. "715".clas. (updat\$3 same parent)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/18 11:22 |

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| S30 | 560 | "700".clas. "715".clas.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/10/18 11:24 |
| S31 | 23  | "700".clas. "715".clas. "717".clas.                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/10/18 11:41 |
| S32 | 3   | "700".clas. "715".clas. "717".clas.<br>parent                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/10/18 15:49 |
| S34 | 2   | "700".clas. "715".clas. (position<br>near3 parent)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/10/18 15:58 |
| S39 | 811 | (715/762.ccls. OR 715/763.ccls.)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/10/18 15:59 |
| S40 | 11  | (715/762.ccls. OR 715/763.ccls.)<br>(position near3 parent)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/10/18 16:11 |
| S41 | 13  | (715/762.ccls. OR 715/763.ccls.)<br>(position near3 (parent or root)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/10/18 16:11 |

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| S42 | 119  | (715/762.ccls. OR 715/763.ccls.)<br>(position near3 (parent or root or<br>HMI or object or element or<br>machine)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/14 15:10 |
| S48 | 1    | "666227".ap.   | US-PGPUB   | AND | ON | 2006/10/19 16:25 |
| S49 | 267  | (recursively or repeatedly or<br>recurrently or reiteratively) with<br>parent with child                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/14 15:17 |
| S50 | 31   | ((recursively or repeatedly or<br>recurrently or reiteratively) with<br>parent with child) hierarchically          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/14 15:17 |
| S51 | 787  | 700/17.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S52 | 1    | "20020120921".pn.  | US-PGPUB   | AND | ON | 2007/02/15 17:32 |
| S53 | 1538 | 700/83.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S54 | 49   | 700/83.ccls. collision   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |

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| S55 | 3  | 700/83.ccls. collision nodes "715".clas.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S56 | 14 | 700/83.ccls. nodes "715".clas. (((placed or drop\$3) near3 ("over" OR "on" OR "top")) OR (overlap or intersect))                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S57 | 17 | 700/83.ccls. collision nodes   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S58 | 0  | 700/83.ccls. collision nodes "715.clas"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/07 17:08 |
| S59 | 4  | 700/83.ccls. "715".clas. (((placed or drop\$3) near3 ("over" OR "on" OR "top")) OR (overlap or intersect)) same nodes              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S60 | 0  | 700/83.ccls. "715".clas. ("over" OR "on" OR "top" OR (overlap or intersect)) (updat\$3 near3 parent)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S61 | 0  | 700/83.ccls. "715".clas. (((placed or drop\$3) near3 ("over" OR "on" OR "top")) OR (overlap or intersect)) (updat\$3 near3 parent) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |

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| S62 | 1   | "700".clas. "715".clas. (updat\$3 near3 parent)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S63 | 1   | "700".clas. "715".clas. ("over" OR "on" OR "top" OR (overlap or intersect)) (updat\$3 near3 parent) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S64 | 6   | "700".clas. "715".clas. (updat\$3 same parent)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S65 | 26  | "700".clas. "715".clas. "717".clas.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S66 | 595 | "700".clas. "715".clas.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S67 | 4   | "700".clas. "715".clas. "717".clas. parent  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S68 | 2   | "700".clas. "715".clas. (position near3 parent)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |

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| S69 | 873 | (715/762.ccls. OR 715/763.ccls.)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S70 | 11  | (715/762.ccls. OR 715/763.ccls.)<br>(position near3 parent)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S71 | 13  | (715/762.ccls. OR 715/763.ccls.)<br>(position near3 (parent or root))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S72 | 130 | (715/762.ccls. OR 715/763.ccls.)<br>(position near3 (parent or root or<br>HMI or object or element or<br>machine)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S73 | 1   | "666227".ap.   | US-PGPUB   | AND | ON | 2007/02/15 17:32 |
| S74 | 268 | (recursively or repeatedly or<br>recurrently or reiteratively) with<br>parent with child                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S75 | 31  | ((recursively or repeatedly or<br>recurrently or reiteratively) with<br>parent with child) hierarchically          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:32 |
| S79 | 2   | "5911145".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/15 17:44 |

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| S80 | 0    | tree collision nodes "715.clas" hierarchy  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/07 17:11 |
| S81 | 1491 | tree collision nodes hierarchy   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/07 17:11 |
| S82 | 1491 | tree collision nodes hierarchy   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/07 17:22 |
| S83 | 777  | tree collision (overlap or touch) nodes hierarchy  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/07 17:22 |
| S84 | 218  | tree collision ((overlap or touch) with (node or object or leaf or root or parent)) hierarchy  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/07 17:23 |
| S85 | 63   | tree (collision near5 (node or object or leaf or root or parent)) ((overlap or touch) with (node or object or leaf or root or parent)) hierarchy | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/07 17:25 |
| S86 | 23   | tree (collision near5 (node or object or leaf or root or parent)) ((overlap or touch) with (node or leaf or root or parent)) hierarchy           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/07 17:31 |

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| S87 | 1828 | tree collision (node or leaf or root or parent) hierarchy  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/07 17:31 |
| S88 | 17   | tree collision (node or leaf or root or parent) hierarchy (visual adj layout)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/07 17:34 |
| S89 | 18   | tree collision (node or leaf or root or parent) hierarchy ( (visual adj layout) OR (visual adj arrangement) )                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/07 17:38 |
| S90 | 17   | tree collision (node or leaf or root or parent) hierarchy ( (visual\$3 adj layout) OR (visual\$3 adj arrange\$4) )           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/07 18:01 |
| S91 | 2    | tree recursive collision (node or leaf or root or parent) hierarchy ( (visual\$3 adj layout) OR (visual\$3 adj arrange\$4) ) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/07 18:01 |